

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **09200286 A**

(43) Date of publication of application: **31.07.97**

(51) Int. Cl.

H04L 27/38

H04B 14/00

H04L 27/14

H04L 27/22

(21) Application number: **08304403**

(22) Date of filing: **15.11.96**

(30) Priority: **16.11.95 JP 07298707**

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(54) **DIGITAL DETECTION METHOD AND DETECTOR
FOR THE SAME**

(57) Abstract:

PROBLEM TO BE SOLVED: To deal with plural code transmission speeds and plural carrier wave frequencies of plural detection systems in small hardware scale.

SOLUTION: An automatically gain controlled digital received signal is converted 32 to a digital signal by A/D conversion, that digital signal is quadrature demodulated 33 by arithmetic processing, and low-pass filter processing 34 is performed to the quadrature demodulated result by arithmetic. Namely, digital detection is performed by software processing and corresponding to changes in the modulation forms and code transmission speeds of received signals, parameters in respective software processes are changed.

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